

INTERNATIONAL SEARCH REPORT

Internat Application No
PCT/GB 03/03555A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E01B23/06 E01B3/20 E01B3/24 E01B7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 1 340 992 A (TORYOWSKI) 25 May 1920 (1920-05-25)	1, 3, 5, 7, 8, 16, 24, 27, 29, 30, 33
Y	page 1, line 10-101; figures 1, 2	2, 31, 34-38
A		4, 6, 9, 10, 25, 26
X	US 1 341 354 A (BOOTH) 25 May 1920 (1920-05-25)	1, 3-7, 10, 12, 16, 24, 27, 29, 30, 33
A	page 1, line 53-108; figures 1-3	14, 15, 17, 18
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

23 October 2003

Date of mailing of the international search report

30/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kergueno, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 26 49 830 A (SOCIETE DES ACIERIES DE PARIS ET D'OUTREAU)	1, 3-7, 30, 33
A	29 September 1977 (1977-09-29) page 7, line 19 -page 9, line 13; figures 1, 2	26, 31, 32
X	US 1 493 093 A (BALLOU)	1, 24, 27, 30, 33
A	6 May 1924 (1924-05-06) page 1, line 46 -page 2, line 37; figures 1-12	10, 11, 19
X	US 1 480 739 A (BAGBY)	1, 3, 5, 6, 10, 24, 27, 30, 33
	15 January 1924 (1924-01-15) page 1, line 57 -page 2, line 79; figures 1-3	
X	GB 197 789 A (FRANKS)	39, 41, 42
Y	24 May 1923 (1923-05-24) page 2, line 52-76; figures 1-3	44 40
Y	DE 165 316 C (FITZGERALD)	2, 31, 34-38
	page 1, line 11-35; figure	
Y	US 1 405 556 A (ODENKIRK)	44
	7 February 1922 (1922-02-07) figure 1	
A	DE 11 67 371 B (MASCHINENFABRIK DEUTSCHLAND AKT.)	25
	9 April 1964 (1964-04-09) figures 1, 2	
A	DE 31 723 C (WESTBROOK)	47
	page 1, left-hand column, line 1-8; figure 1	

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Int'l application No.
PCT/GB 03/03555**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-38

A turnout apparatus, a method of allowing normal running of a train along one of a first and a second existing railway track, and a method which enables single line working on a second railway track to clear a first railway track

2. Claims: 39-47

A pot sleeper for supporting a rail of a railway track and a method of installing and/or maintaining a pot sleeper

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ation on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 1340992	A	25-05-1920	NONE	
US 1341354	A	25-05-1920	NONE	
DE 2649830	A	29-09-1977	DE 2649830 A1	29-09-1977
US 1493093	A	06-05-1924	NONE	
US 1480739	A	15-01-1924	NONE	
GB 197789	A	24-05-1923	NONE	
DE 165316	C		NONE	
US 1405556	A	07-02-1922	NONE	
DE 1167371	B	09-04-1964	NONE	
DE 31723	C		NONE	